

Interstate 5 Transportation Concept Report

Interchanges

Summary

This section provides a summary of the interchange status for I-5, a summary of local agency studies, and a listing of interchanges anticipated to be impacted by development.

An interchange is a system of interconnecting roadways in conjunction with one or more grade separations providing for the interchange of traffic between two or more roadways on different levels. While the main focus of the I-5 TCR is mainline capacity, there was not a review interchanges in detail. The only interchange modification/cost information included in the previous section is for work required to accommodate six mainline lanes. A full listing of interchanges is in **Appendix G**.

Interchange Improvements

Improvement needs at interchanges are driven by local land uses decisions. Generally improvements are identified and funded by either local agency actions/studies or local developments/developer projects.

Local Agency Action/Studies

A city, county, and/or RTPA may sponsor an interchange study. The studies may be undertaken to support and serve existing traffic or to accommodate planned growth. Identified interchange improvements may be funded by a variety of local programs such as the Regional Improvement Program (RIP), Enterprise Zone, Redevelopment Agency, and Traffic Impact Fees. **Table 11** displays Local Agency Sponsored Interchange Studies/Funding Programs within District.

Local Developments/Developer Projects

Traffic impacts to interchanges may be caused by specific development projects such as single-family subdivisions, retail outlets, and office complexes. Impacts from proposed developments are identified through the California Environmental Quality Act (CEQA). The CEQA process includes a study identifying traffic from the development project, impacts to interchanges, and mitigation for such

impacts. Mitigation measures may include structure widening to accommodate lanes, ramp metering, ramp modifications, signals, auxiliary lanes, lighting, roundabouts, and total reconstruction/ replacement of the interchange. The mitigation costs for interchange improvements generally come from the developer, local agency, or a combination of the two.

Table 12 provides a list of I-5 interchanges District 2 anticipates to be impacted by development and require improvements during the next 20 years.



I-5 SHASTA. At Cypress Interchange, the Northbound Off Ramp in the City of Redding.

TABLE 11				
District 2 Local Agency Interchange Studies on I-5				
County	Postmile¹	Interchange Name²	Study/Program Title	Sponsor
Tehama	R7.486	South Avenue	South Avenue Project Report (May 2005). Reconstruct interchange.	Tehama RTPA and City of Corning
Tehama	R24.897	South Main Street	South Main Street Project Study Report (in progress). Interchange modification.	Tehama RTPA and City of Red Bluff
Shasta	0.909	Gas Point Road	Southern Region Transportation Planning Study and Impact Fee Program (July 2006)	Shasta RTPA, Shasta County, and City of Anderson
Shasta	2.076	North Cottonwood/Main Street	Southern Region Transportation Planning Study and Impact Fee Program (July 2006)	Shasta RTPA, Shasta County, and City of Anderson
Shasta	R4.289	Deschutes Road	I-5/Deschutes Road Interchange PSR/PR (in progress)	City of Anderson
Shasta	R6.743	Riverside Avenue	Ox Yoke Road/Riverside Avenue Corridor Study and Traffic Impact Fee Program (in progress)	Shasta RTPA and City of Anderson
Shasta	R12.920	South Bonnyview Road	South Bonnyview PSR (in progress)	City of Redding
Shasta	R18.068	Twin View Boulevard	Oasis Road Specific Plan (August 2006)	City of Redding
Shasta	R18.481	Junction 273 North	Oasis Road Specific Plan (August 2006)	City of Redding
Shasta	R19.402	Oasis Road	Oasis Road Specific Plan (August 2006)	City of Redding
¹ At over/under crossing ² Per Caltrans District 2 Landmark Log Source: Caltrans, District 2				

Interchanges

TABLE 12 I-5 Interchanges Likely to be Impacted by Development		
County	Postmile¹	Interchange Name²
Tehama	R5.879	Liberal Avenue
Tehama	R19.781	Flores Avenue
Tehama	R24.942	Diamond Avenue
Tehama	31.043	Wilcox Road
Tehama	32.356	Jellys Ferry Road
Tehama	36.371	Nine Mile Hill
Tehama	38.716	Sunset Hills
Tehama	41.525	Bowman Road
Shasta	R5.294	Balls Ferry Drive
Shasta	R5.640	North Street
Shasta	R9.772	Knighton Road
Shasta	R14.443	Cypress Avenue
Shasta	R17.303	Junction 299E
Shasta	R22.144	Junction State Route 151
Shasta	R24.082	Mountain Gate
Siskiyou	R8.475	Junction 89
Siskiyou	R8.787	South Mt. Shasta
Siskiyou	R10.485	Lake Street
Siskiyou	R17.441	South Weed
Siskiyou	R19.070	Junction 97 (Central Weed)
Siskiyou	R45.624	Junction 3 (South Yreka)
Siskiyou	R47.563	Miner Street
Siskiyou	R48.227	Junction 3 (North Yreka)
¹ At over/under crossing ² Per Caltrans District 2 Landmark Log Source: Caltrans, District 2		

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